

# Ana Rita Lado Ribeiro

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73 papers	4,333 citations	30 h-index	65 g-index
76 ext. papers	5,325 ext. citations	7.6 avg, IF	6.1 L-index

#	Paper	IF	Citations
73	An overview on the advanced oxidation processes applied for the treatment of water pollutants defined in the recently launched Directive 2013/39/EU. <i>Environment International</i> , <b>2015</b> , 75, 33-51	12.9	597
72	Occurrence and removal of organic micropollutants: An overview of the watch list of EU Decision 2015/495. <i>Water Research</i> , <b>2016</b> , 94, 257-279	12.5	522
71	A review on environmental monitoring of water organic pollutants identified by EU guidelines. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 344, 146-162	12.8	403
70	Consolidated vs new advanced treatment methods for the removal of contaminants of emerging concern from urban wastewater. <i>Science of the Total Environment</i> , <b>2019</b> , 655, 986-1008	10.2	319
69	Impact of water matrix on the removal of micropollutants by advanced oxidation technologies. <i>Chemical Engineering Journal</i> , <b>2019</b> , 363, 155-173	14.7	222
68	Heterogeneous photocatalytic degradation of ibuprofen in ultrapure water, municipal and pharmaceutical industry wastewaters using a TiO <sub>2</sub> /UV-LED system. <i>Chemical Engineering Journal</i> , <b>2018</b> , 334, 976-984	14.7	176
67	Photocatalytic ozonation of urban wastewater and surface water using immobilized TiO <sub>2</sub> with LEDs: Micropollutants, antibiotic resistance genes and estrogenic activity. <i>Water Research</i> , <b>2016</b> , 94, 10-22	12.5	150
66	A review on the application of constructed wetlands for the removal of priority substances and contaminants of emerging concern listed in recently launched EU legislation. <i>Environmental Pollution</i> , <b>2017</b> , 227, 428-443	9.3	138
65	Continuous ozonation of urban wastewater: Removal of antibiotics, antibiotic-resistant <i>Escherichia coli</i> and antibiotic resistance genes and phytotoxicity. <i>Water Research</i> , <b>2019</b> , 159, 333-347	12.5	125
64	Fast mineralization and detoxification of amoxicillin and diclofenac by photocatalytic ozonation and application to an urban wastewater. <i>Water Research</i> , <b>2015</b> , 87, 87-96	12.5	124
63	Heterogeneous photocatalysis using UVA-LEDs for the removal of antibiotics and antibiotic resistant bacteria from urban wastewater treatment plant effluents. <i>Chemical Engineering Journal</i> , <b>2019</b> , 367, 304-313	14.7	86
62	Metal-free g-C <sub>3</sub> N <sub>4</sub> photocatalysis of organic micropollutants in urban wastewater under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 248, 184-192	21.8	80
61	Enantioseparation of chiral pharmaceuticals in biomedical and environmental analyses by liquid chromatography: an overview. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 968, 8-21	3.2	77
60	Monitoring of the 17 EU Watch List contaminants of emerging concern in the Ave and the Sousa Rivers. <i>Science of the Total Environment</i> , <b>2019</b> , 649, 1083-1095	10.2	76
59	Degradation of fluoroquinolone antibiotics and identification of metabolites/transformation products by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2014</b> , 1333, 87-98	4.5	75
58	New trends in sample preparation techniques for environmental analysis. <i>Critical Reviews in Analytical Chemistry</i> , <b>2014</b> , 44, 142-85	5.2	72
57	UV and solar photo-degradation of naproxen: TiO <sub>2</sub> catalyst effect, reaction kinetics, products identification and toxicity assessment. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 304, 329-36	12.8	64

56	Chiral pharmaceuticals in the environment. <i>Environmental Chemistry Letters</i> , <b>2012</b> , 10, 239-253	13.3	62
55	Enantioselective biodegradation of pharmaceuticals, alprenolol and propranolol, by an activated sludge inoculum. <i>Ecotoxicology and Environmental Safety</i> , <b>2013</b> , 87, 108-14	7	50
54	Enantiomeric fraction evaluation of pharmaceuticals in environmental matrices by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2014</b> , 1363, 226-35	4.5	48
53	Removal of fluoxetine and its effects in the performance of an aerobic granular sludge sequential batch reactor. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 287, 93-101	12.8	44
52	Treatment of a simulated wastewater amended with a chiral pharmaceuticals mixture by an aerobic granular sludge sequencing batch reactor. <i>International Biodeterioration and Biodegradation</i> , <b>2016</b> , 115, 277-285	4.8	44
51	Enantioselective HPLC analysis and biodegradation of atenolol, metoprolol and fluoxetine. <i>Environmental Chemistry Letters</i> , <b>2013</b> , 11, 83-90	13.3	41
50	Environmental friendly method for urban wastewater monitoring of micropollutants defined in the Directive 2013/39/EU and Decision 2015/495/EU. <i>Journal of Chromatography A</i> , <b>2015</b> , 1418, 140-149	4.5	40
49	Constructed wetland microcosms for the removal of organic micropollutants from freshwater aquaculture effluents. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 1171-1180	10.2	39
48	Spatial and seasonal occurrence of micropollutants in four Portuguese rivers and a case study for fluorescence excitation-emission matrices. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 1128-1140	10.2	39
47	Enantioselective biodegradation of fluoxetine by the bacterial strain <i>Labrys portucalensis</i> F11. <i>Chemosphere</i> , <b>2014</b> , 111, 103-11	8.4	39
46	Enantioselective quantification of fluoxetine and norfluoxetine by HPLC in wastewater effluents. <i>Chemosphere</i> , <b>2014</b> , 95, 589-96	8.4	39
45	Distribution and environmental assessment of trace elements contamination of water, sediments and flora from Douro River estuary, Portugal. <i>Science of the Total Environment</i> , <b>2018</b> , 639, 1381-1393	10.2	35
44	Chiral Analysis of Pesticides and Drugs of Environmental Concern: Biodegradation and Enantiomeric Fraction. <i>Symmetry</i> , <b>2017</b> , 9, 196	2.7	30
43	Eco-friendly LC-MS/MS method for analysis of multi-class micropollutants in tap, fountain, and well water from northern Portugal. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 8355-8367	4.4	28
42	Nitrogen-doped reduced graphene oxide (PVDF) nanocomposite membrane for persulfate activation and degradation of water organic micropollutants. <i>Chemical Engineering Journal</i> , <b>2020</b> , 402, 126117	14.7	27
41	Desalination and removal of organic micropollutants and microorganisms by membrane distillation. <i>Desalination</i> , <b>2018</b> , 437, 121-132	10.3	27
40	Occurrence of persistent organic pollutants in sediments and biota from Portugal versus European incidence: A critical overview. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2016</b> , 51, 143-53	2.2	25
39	Analysis of chiral drugs in environmental matrices: Current knowledge and trends in environmental, biodegradation and forensic fields. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 124, 115783	14.6	23

38	Occurrence of Natural Contaminants of Emerging Concern in the Douro River Estuary, Portugal. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2016</b> , 70, 361-71	3.2	22
37	Dual enantioselective LC-MS/MS method to analyse chiral drugs in surface water: Monitoring in Douro River estuary. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 170, 89-101	3.5	22
36	Occurrence of Chiral Bioactive Compounds in the Aquatic Environment: A Review. <i>Symmetry</i> , <b>2017</b> , 9, 215	2.7	20
35	Distribution of micropollutants in estuarine and sea water along the Portuguese coast. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 154, 111120	6.7	19
34	Immobilised Cerium-Doped Zinc Oxide as a Photocatalyst for the Degradation of Antibiotics and the Inactivation of Antibiotic-Resistant Bacteria. <i>Catalysts</i> , <b>2019</b> , 9, 222	4	18
33	Anthropogenic pressure in a Portuguese river: Endocrine-disrupting compounds, trace elements and nutrients. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2016</b> , 51, 1043-52	2.3	18
32	Liquid-liquid extraction as a simple tool to quickly quantify fourteen cytostatics in urban wastewaters and access their impact in aquatic biota. <i>Science of the Total Environment</i> , <b>2020</b> , 740, 139995	10.2	17
31	Microbial degradation of 17beta -estradiol and 17alpha -ethinylestradiol followed by a validated HPLC-DAD method. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2010</b> , 45, 265-73	2.2	17
30	Removal of Organic Micropollutants from a Municipal Wastewater Secondary Effluent by UVA-LED Photocatalytic Ozonation. <i>Catalysts</i> , <b>2019</b> , 9, 472	4	16
29	Ozone-based water treatment (O3, O3/UV, O3/H2O2) for removal of organic micropollutants, bacteria inactivation and regrowth prevention. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105315	6.8	16
28	Dispersive liquid-liquid microextraction and HPLC to analyse fluoxetine and metoprolol enantiomers in wastewaters. <i>Environmental Chemistry Letters</i> , <b>2015</b> , 13, 203-210	13.3	15
27	Environmental Fate of Chiral Pharmaceuticals: Determination, Degradation and Toxicity. <i>Environmental Chemistry for A Sustainable World</i> , <b>2012</b> , 3-45	0.8	15
26	Assessment of Douro and Ave River (Portugal) lower basin water quality focusing on physicochemical and trace element spatiotemporal changes. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2018</b> , 53, 1056-1066	2.3	13
25	UV-A activation of peroxymonosulfate for the removal of micropollutants from secondary treated wastewater. <i>Science of the Total Environment</i> , <b>2021</b> , 770, 145299	10.2	13
24	Advanced oxidation technologies combined with direct contact membrane distillation for treatment of secondary municipal wastewater. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 140, 111-123	5.5	12
23	Removal of emerging contaminants from wastewater using advanced treatments. A review. <i>Environmental Chemistry Letters</i> , <b>2022</b> , 20, 1333	13.3	10
22	Microbial degradation of pharmaceuticals followed by a simple HPLC-DAD method. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2012</b> , 47, 2151-8	2.3	9
21	Spatiotemporal Distribution and Sources of Trace Elements in Ave River (Portugal) Lower Basin: Estuarine Water, Sediments and Indigenous Flora. <i>International Journal of Environmental Research</i> , <b>2019</b> , 13, 303-318	2.9	8

20	Bio-waste valorisation: Agricultural wastes as biosorbents for removal of (in)organic pollutants in wastewater treatment. <i>Chemical Engineering Journal Advances</i> , <b>2022</b> , 9, 100239	3.6	8
19	Priority Substances and Emerging Organic Pollutants in Portuguese Aquatic Environment: A Review. <i>Reviews of Environmental Contamination and Toxicology</i> , <b>2016</b> , 238, 1-44	3.5	7
18	Advanced oxidation technologies and constructed wetlands in aquaculture farms: What do we know so far about micropollutant removal?. <i>Environmental Research</i> , <b>2022</b> , 204, 111955	7.9	6
17	A Pilot Study Combining Ultrafiltration with Ozonation for the Treatment of Secondary Urban Wastewater: Organic Micropollutants, Microbial Load and Biological Effects. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 3458	3	5
16	Biosorbents from Plant Fibers of Hemp and Flax for Metal Removal: Comparison of Their Biosorption Properties. <i>Molecules</i> , <b>2021</b> , 26,	4.8	5
15	Solid-phase extraction cartridges with multi-walled carbon nanotubes and effect of the oxygen functionalities on the recovery efficiency of organic micropollutants. <i>Scientific Reports</i> , <b>2020</b> , 10, 22304	4.9	4
14	Sulfamethoxazole exposure to simulated solar radiation under continuous flow mode: Degradation and antibacterial activity. <i>Chemosphere</i> , <b>2020</b> , 238, 124613	8.4	4
13	Quenchers in advanced oxidation technologies for analysis of micropollutants by liquid chromatography coupled to mass spectrometry: Sodium sulphite or catalase?. <i>Science of the Total Environment</i> , <b>2019</b> , 692, 995-1004	10.2	3
12	Gone with the flow - Assessment of personal care products in Portuguese rivers.. <i>Chemosphere</i> , <b>2022</b> , 293, 133552	8.4	3
11	Use of Chêvotte, a Valuable Co-Product of Industrial Hemp Fiber, as Adsorbent for Pollutant Removal. Part I: Chemical, Microscopic, Spectroscopic and Thermogravimetric Characterization of Raw and Modified Samples. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
10	Rethinking water treatment targets: Bacteria regrowth under unprovable conditions. <i>Water Research</i> , <b>2021</b> , 201, 117374	12.5	3
9	In situ growth and crystallization of TiO <sub>2</sub> on polymeric membranes for the photocatalytic degradation of diclofenac and 17 $\beta$ -ethinylestradiol. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 131476	14.7	3
8	Use of chêvotte, a valuable co-product of industrial hemp fiber, as adsorbent for copper ions: Kinetic studies and modeling. <i>Arabian Journal of Chemistry</i> , <b>2022</b> , 15, 103742	5.9	2
7	Sorption of 4-n-nonylphenol, 4-n-octylphenol, and 4-tert-octylphenol on cyclodextrin polymers. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	2
6	Emerging Contaminants: Analysis, Aquatic Compartments and Water Pollution. <i>Environmental Chemistry for A Sustainable World</i> , <b>2021</b> , 1-111	0.8	2
5	Remediation of Emerging Contaminants. <i>Environmental Chemistry for A Sustainable World</i> , <b>2021</b> , 1-106	0.8	2
4	Urban and Industrial Wastewater Disinfection and Decontamination by Advanced Oxidation Processes (AOPs): Current Issues and Future Trends. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 560	3	2
3	Worldwide cases of water pollution by emerging contaminants: a review. <i>Environmental Chemistry Letters</i> ,1	13.3	2

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| 2 | Interactions of pharmaceutical compounds in water matrices under visible-driven photocatalysis. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104747  | 6.8 | 1 |
| 1 | Revealing the adsorption mechanism of copper on hemp-based materials through EDX, nano-CT, XPS, FTIR, Raman, and XANES characterization techniques. <i>Chemical Engineering Journal Advances</i> , <b>2022</b> , 10, 100282 | 3.6 | 0 |